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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|--|-------------|----------------------|---------------------|------------------|
| 10/769,836 | 02/02/2004 | Michael K. Haufe | COLI/K581 | 9073 |
| 2555 | 7590 | 01/12/2006 | EXAMINER | |
| KREMBLAS, FOSTER, PHILLIPS & POLLICK 7632 SLATE RIDGE BOULEVARD REYNOLDSBURG, OH 43068 | | | PHAM, MINH CHAU THI | |
| | | | ART UNIT | PAPER NUMBER |
| | | | 1724 | |

DATE MAILED: 01/12/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

| | | | |
|------------------------------|-------------------------------|---------------------|--|
| Office Action Summary | Application No. | Applicant(s) | |
| | 10/769,836 | HAUFE ET AL. | |
| | Examiner Minh-Chau T. Pham | Art Unit 1724 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on _____.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-4 is/are pending in the application.
 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
 5) Claim(s) ____ is/are allowed.
 6) Claim(s) 1-4 is/are rejected.
 7) Claim(s) ____ is/are objected to.
 8) Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on ____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____. |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____. | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| | 6) <input type="checkbox"/> Other: _____. |

Specification

The disclosure is objected to because of the following informalities: On the specification, page 7, line 18, filter grid array "26" should be – 20 --? Is this a typo? Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-4 are rejected under 35 U.S.C. 102(b) as being anticipated by Lundberg (4,197,099).

Lundberg teaches a filter frame (12) having an air filter media (16) removably mounted in a rigid frame (12), each filter media component (16) provided with multiple closed end pockets (30) opposing the frontal opening and the frontal opening having an outer edge (32) defining a circumference conforming to the circumference of the central opening of the rigid frame (12), a mounting means (14) independent of the filter media bag (16) configured to releasably hold the filter media (16) within the rigid frame (12) including a retaining ring member (18) removably mounted in force transmitting engagement of the filter media (16) to the rigid frame (12). Lundberg further teaches the mounting means (14) including a rod member (see 14 in Fig. 1 and 14' in Figs. 5 & 6) removably disposed across the central opening of the frame (12) and in engagement with a rearwardly facing surface of the filter media (16) located between the pockets

(34) and forwardly of the closed ends of the pockets (see 24 and 34 in Fig. 1) to limit the degree of insertion of the filter media component within the frame (12) in a direction of the intended air flow directed through the filter media component. Lundberg also teaches a method of removably mounting an air filter media component into a rigid frame comprising the steps of placing a filter media component (16) across the central opening of the rigid frame (12) with an outer edge portion (32) of the filter media extending forwardly of the inner edge of the central opening of the rigid frame (12), placing a support rod (14) across a central opening of the frame (12), inserting the filter media component (16) having at least two pocket shaped areas (30) until a portion of the filter media component between the pockets (30) engages the support rod (24) and aligns an outer edge (34) of the filter media component (16), and providing a retaining ring (18) independent of the filter media component (16) and placing the retaining ring (18) in press-fit relation to the inner edge of the central opening of the frame (12) to engage a portion of the filter media component (16) which is adjacent to the outer edge in force-transmitting relationship between the retaining ring (18) and the inner edges of the frame (12) to releasably secure the filter component (16) within the frame (12) (see details of 14' and 40 in Figs. 5 & 6, col. 2, lines 25-32 and line 66 through col. 3, line 9).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Minh-Chau T. Pham whose telephone number is (571) 272-1163. The examiner can normally be reached on Mon/Tues/Thur/Fri 7:00 am - 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Duane Smith can be reached on (571) 272-1166. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



**Minh-Chau Pham
Patent Examiner
Art Unit: 1724
January 6, 2006**